

ABSTRACT OF DISCLOSURE

A front end module comprises a diplexer, a high frequency switch and a duplexer. The diplexer has a first port connected to an antenna, a second port for receiving and outputting GSM signals, and a third port for receiving 5 and outputting W-CDMA signals. The high frequency switch is connected to the second port and separates GSM transmission signals and reception signals from each other. The duplexer is connected to the third port and separates W-CDMA transmission signals and reception signals from each other. The diplexer includes two acoustic wave elements. A single multi-10 layer substrate for integration is used to integrate the diplexer, the high frequency switch and the duplexer.